What causes tornados?

Tornados are formed when hot, humid air meets the coder dry air. The hotter air is less dense therefore lighter than the colder air which makes a strong updraft inside the thunderstorm. As this hotter air rises, it could meet different or changing wind directions in different heights or altitudes. If these changing winds are staggered in the right way with enough speed, they will act on the rising air and spin the air like a top. The storm will then show visible rotation, which most of the times forms a wall cloud. Inside the storm the spinning winds then begins the formation of a tornado.

The process can also help along by the cyclonically flowing air around the cyclone. The cyclonically flowing air, slowly, in a counter-clockwise direction spins, and converges inward in the direction of the thunderstorm, which cause it spin faster. Another things that helps form a tornado is dry air in the middle atmosphere cooled by the rain in the thunderstorm, strengthens the downdrafts that are needed for the tornado to form.

<http://www.tornadochaser.net/tornado.html>

<http://www.weatherquestions.com/What_causes_tornadoes.htm>